

# Component Specifications

## AD2 Handheld Transmitter

### Overview

AD series hand-held transmitters deliver impeccable audio quality and RF performance with wide-tuning, High Density (HD) mode, and encryption. Features durable metal construction, AA or SB900A rechargeable power (with dockable charging), and black or nickel finish options.

### Features

- Two transmission modes:
  - Standard for optimal coverage
  - New High Density mode for maximum system channel count and robust coverage
- Encryption-enabled, secure transmission
- Frequency and power lockout
- Rugged metal construction in black or nickel finish
- External contacts for docked charging
- AA or SB900A Li-ion rechargeable batteries
- Backlit LCD with easy-to-navigate menu and controls
- Low-profile, lockable power switch
- Available cartridges: KSM8, KSM9HS, Beta® 87A/87C, Beta® 58, SM58®, VP68

### Specifications

Mic Offset Range	-12 to 21 dB (in 3 dB steps)
Battery Type	Shure SB900A Rechargeable Li-Ion or LR6 AA batteries 1.5 V
Battery Runtime @ 10 mW	Shure SB900A: up to 9 hours Alkaline: 8 hours <i>See Battery Runtime Chart</i>
Dimensions	256 mm x 51 mm (10.1 in. x 2.0 in.) L x D
Weight	340 g (12.0 oz.), without batteries
Housing	Cast aluminum

#### Audio Input

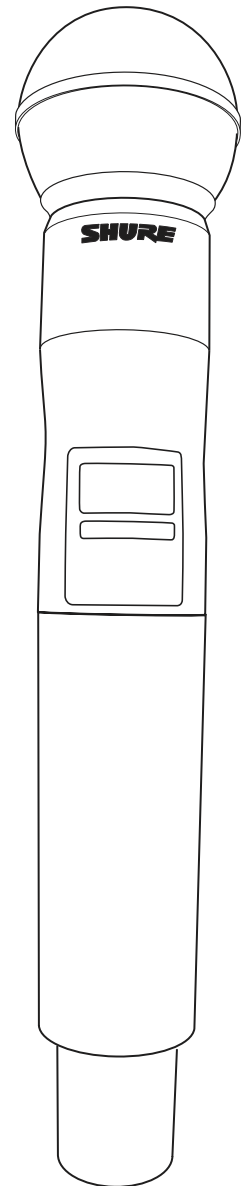
Configuration	Unbalanced
Maximum Input Level <i>1 kHz at 1% THD.</i>	145 dB SPL, typical (SM58) <i>Note: dependent on microphone type</i>

#### RF Output

Antenna Type	Integrated Single-Band Helical
Occupied Bandwidth	<200 kHz
Modulation Type	Shure Axient Digital Proprietary
Power	2 mW, 10 mW, 35 mW <i>See Frequency Range and Output Power table, varies by region</i>

### Microphone Options (see catalog for more)

RPW112	SM58® Cardioid Dynamic Vocal Wireless Microphone Capsule
RPW118	Beta® 58A Supercardioid Dynamic Vocal Wireless Microphone Capsule
RPW120	Beta® 87A Supercardioid Condenser Vocal Wireless Microphone Capsule
RPW122	Beta® 87C Cardioid Condenser Vocal Wireless Microphone Capsule
RPW124	VP68 Omnidirectional Condenser Wireless Microphone Capsule
RPW170	KSM8 Dualdyne™ Cardioid Dynamic Wireless Microphone Capsule (Nickel)
RPW174	KSM8 Dualdyne™ Cardioid Dynamic Wireless Microphone Capsule (Black)
RPW184	KSM9 Dual-Pattern Condenser Wireless Microphone Capsule (Black)
RPW186	KSM9HS Multi-Pattern Dual Diaphragm Condenser Wireless Microphone Capsule (Black)
RPW188	KSM9 Dual-Pattern Condenser Wireless Microphone Capsule (Nickel)
RPW190	KSM9HS Multi-Pattern Dual Diaphragm Condenser Wireless Microphone Capsule (Nickel)



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